

In the claims:

Claims 1-13 canceled.

14. (currently amended) A device for remote monitoring of an overhead power transmission line conductor, comprising a housing provided with means for attaching on the overhead power transmission line conductor, and arranged in said housing a power supply arranged in said housing; a sensor of temperature of the conductor, and a measuring-transmitting module arranged on said housing and provided with means for interfacing with a utility cellular telephonic channel configured to receive signals from said sensor of temperature of the conductor, to convert them into digital data and to transmit the digital data for storing, collecting and processing.

15. (currently amended) A device as defined in claim 14, wherein said measuring-transmitting module includes a control unit, a unit for receipt and conversion of a conductor status signals, a unit for primary processing of obtained information, collection and storage of data, a unit for communication and data transmission, wherein said unit for primary processing of obtained information, collection and storage of data is connected to an input of said unit for communication and data transmission and to an output of said unit for receipt and conversion of conductor status signals, and said means for interfacing with a

utility cellular telephonic channel is included in said unit for communication and data transmission.

16. (currently amended) A device as defined in claim 14, wherein said measuring-transmitting module additionally includes is configured to receive signals from a Global Positioning System signal, receiver with an identifier of its, to obtain data about a position of the transmission line conductor module in a three-dimensional coordinates system, to correct the data, and to transmit the data for collecting of measuring information.

17. (new) A device as defined in claim 14, wherein said unit for receipt and conversion of conductor status signal includes module is configured to receive signals from a sensor of current values in the conductor and convert them into digital data.

Claim 18 cancelled.

19. (previously presented) A device as defined in claim 18, wherein said sensor of conductor temperature is incorporated in said means for attaching said housing to the overhead power transmission line conductor.

20. (currently amended) A device as defined in claim 18, wherein ~~said sensor of conductor temperature is mounted in said means for attaching said housing to the overhead power transmission line conductor~~ module is provided with means for interfacing with a utility cellular telephonic channel.

21. (previously presented) A device as defined in claim 14, wherein said unit for communication and data transmission is provided with means for receipt of data inquiry signals, setting digital data, and unauthorized access protection.

22. (previously presented) A device as defined in claim 14, wherein said power supply is configured as a battery.

23. (previously presented) A device as defined in claim 14, wherein said power supply is configured as a battery which is chargeable from an overhead power transmission line current.

24. (previously presented) A device as defined in claim 21; and further comprising a solar battery, said battery being chargeable from said solar battery.

25. (currently amended) A device for remote monitoring of an overhead power transmission line conductor, comprising a housing providing with means for attaching to the overhead power transmission line conductor; and arranged in said housing a power supply arranged in said housing; ~~and, a measuring-transmitting module arranged in said housing and equipped with~~ configured to receive signals from a Global Positioning System signal receiver identifying, to determine a position of said module in its three-dimensional coordinates, and to transmit data about coordinates for collection of measuring information.

26. (currently amended) A device as defined in claim 25, wherein said measuring-transmitting module includes a control unit, a unit of receipt and conversion of conductor status signal with a receiver of signals of the Global Positioning System, a unit for primary processing of obtained information, collection and storage of data, and a unit for communication and data transmission, wherein said unit for primary processing and obtained information, collection and storage data is connected to an output of ~~at the~~ unit for receipt and conversion of conductor status signal and to an input of a unit of said unit of communication and data transmission, ~~and said global positioning system signals receiver identifying its three-dimensional coordinates is introduced in said unit for receipt and conversion of conductor status signal.~~

27. (previously presented) A device as defined in claim 26, wherein said measuring-transmitting module is provided with means for interfacing with a utility cellular telephonic channel.

28. (currently amended) A device as defined in claim 24, wherein said ~~unit for receipt and conversion of conductor status signals includes~~ module is configured to receive signals from a sensor of current values in the conductor and to convert them into digital data.

29. (currently amended) A device as defined in claim 24, wherein said ~~unit for receipt and conversion of conductor status signals includes~~ module is configured to receive signals from a sensor of conductor temperature and convert them into digital data.

30. (previously presented) A device as defined in claim 27; and further comprising means for attaching said housing to the overhead power transmission line conductor, said sensor of conductor temperature being incorporated in said means for attaching said housing to the overhead power transmission line conductor.

31. (currently amended) A device as defined in claim 24, wherein said ~~unit for communication and data transmission~~ module is provided with means

for receipt of data inquiry signal, setting digital data, and unauthorized access protection.

32. (previously presented) A device as defined in claim 24 wherein said power supply is configured as a battery.

33. (previously presented) A device as defined in claim 31, wherein said battery has means for charging from an overhead power transmission line current.

34 (previously presented) A device as defined in claim 30; and further comprising a solar battery, said battery being chargeable from said solar battery.